A. Permit Certificate

INDUSTRIAL
WASTEWATER-LAND APPLICATION PERMIT
LA-000178-02

Dickinson Frozen Foods, Inc., LOCATED AT 600 N.W 21st Street, Fruitland, ID 83619 AND IN **Township 8N, Range 5W, Section 15** IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS (IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND REFERENCE DOCUMENTS. THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON **July 2, 2009.**

Michael R. McGown, Administrator
Boise Regional Office
Idaho Department of Environmental Quality

Date: 6/2/04

DEPARTMENT OF ENVIRONMENTAL QUALITY
1445 N. Orchard
Boise 83706-2239
373-0550 FAX 373-0287

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, and Reference Documents

Appendices

1. Environmental Monitoring Serial Numbers
2. Site Maps

References

1. Plan of Operation (Operation and Maintenance Manual)
2. Runoff Management Plan

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater-Land Application Permit LA-000178-02 and are enforceable as such. This permit does not relieve Dickinson Frozen Foods, Inc., hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Abbreviations, Definitions

Ac-in	Acre-inch. The volume of water or wastewater to cover 1 acre of land to a depth of 1 inch. Equal to 27,154 gallons.
BMP or BMPs	Best Management Practices
COD	Chemical Oxygen Demand
DEQ or the Department	Idaho Department of Environmental Quality
Director	Director of the Idaho Department of Environmental Quality, or the Directors Designee, i.e. Regional Administrator
ET	Evapotranspiration – Loss of water from the soil and vegetation by evaporation and by plant uptake (transpiration)
GS	Growing Season – Typically April 01 through October 31 (214 days)
GW	Ground Water
GWQR	IDAPA 58.01.11 "Ground Water Quality Rule"
Handbook or Guidelines	Handbook for Land Application of Municipal and Industrial Wastewater, DEQ, April 1996.
HLRgs	Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to land application hydraulic management units during the growing season. The HLRgs limit is specified in Section F. Permit Limits and Conditions.
HLRngs	Non-Growing Season Hydraulic Loading Rate. Includes any combination of wastewater and supplemental irrigation water applied to each hydraulic management unit during the non-growing season. The HLRngs limit is specified in Section F. Permit Limits and Conditions.
HMU	Hydraulic Management Unit (Serial Number designation is MU)
IWR	Irrigation Water Requirement – Any combination of wastewater and supplemental irrigation water applied at rates commensurate to the moisture requirements of the crop, and calculated monthly during the growing season (GS). Calculation methodology for the IWR can be found at the following website: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. The equation used to calculate the IWR at this website is: $IWR = (CU - P_e) / E_i$ CU is the monthly consumptive use for a given crop in a given climatic area. CU is synonymous with crop evapotranspiration P_e is the effective precipitation. CU minus Pe is equal to the net irrigation requirement (IR) E_i is the irrigation system efficiency. To obtain the gross irrigation water requirement (IWR), divide the IR by the irrigation system efficiency.
IDAPA	Idaho Administrative Procedures Act.
LG	Lagoon
lb/ac-day	Pounds (of constituent) per acre per day
MG	Million Gallons (1 MG = 36.827 acre-inches)
MGA	Million Gallons Annually (per WLAP Reporting Year)
NGS	Non-Growing Season – Typically November 01 through March 31 (151 days)
NVDS	Non-Volatile Dissolved Solids (= Total Dissolved Solids less Volatile Dissolved Solids)
O&M manual	Operation and Maintenance Manual, also referred to as the Plan of Operation
SAR	Sodium Absorption Ratio

C. Abbreviations, Definitions

SI	Supplemental Irrigation water applied to the land application treatment site.
Soil AWC	Soil Available Water Holding Capacity - the water storage capability of a soil to a depth at which plant roots will utilize (typically 60 inches or root limiting layer)
SMU	Soil Monitoring Unit (Serial Number designation is SU)
SW	Surface Water
TDS	Total Dissolved Solids or Total Filterable Residue
TDIS	Total Dissolved Inorganic Solids – The summation of chemical concentration results in mg/L for the following common ions: calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity expressed as calcium carbonate). Nitrate, Silica and fluoride shall be included if present in significant quantities (i.e. > 5 mg/L each).
TMDL	Total Maximum Daily Load – The sum of the individual waste-load allocations (WLA's) for point sources, Load Allocations (LA's) for non-point sources, and natural background. Such load shall be established at a level necessary to implement the applicable water quality standards with seasonal variations and a margin of safety that takes into account any lack of knowledge concerning the relationship between effluent limitations and water quality. IDAPA 58.01.02 *Water Quality Standards and Wastewater Treatment Requirements*
Typical Crop Uptake	Typical Crop Uptake is defined as the median constituent crop uptake from the three (3) most recent years the crop has been grown. Typical Crop Uptake is determined for each hydraulic management unit. For new crops having less than three years of on-site crop uptake data, regional crop yield data and typical nutrient content values, or other values approved by DEQ may be used.
USGS	United States Geological Survey
WLAP	Wastewater Land Application Permit (or Program)
WLAP Reporting Year	The reporting year begins with the non-growing season and extends through the growing season of the following year, typically November 01 – October 31. For example, the 2000 Reporting Year was November 01, 1999 through October 31, 2000.
WW	Wastewater applied to the land application treatment site

D. Facility Information

Legal Name of Permittee	Dickinson Frozen Foods, Inc.
Type of Wastewater	Onion processing wastewater
Method of Treatment	Aerated basin, clarifier and slow rate land application
Type of Facility	Industrial
Site Acres	5.6 Acres
Facility Location	Fruitland, Idaho
Legal Location	T8N, R5W, Sec. 15
County	Payette
USGS Quad	Payette, Idaho-Oregon
Soils on Site	Clems Fine Sandy Loam
Depth to Ground Water	17 feet to seasonal high ground water
Beneficial Uses of Ground Water	Drinking water
Nearest Surface Water	Farmers Irrigation Canal
Beneficial Uses of Surface Water	Agriculture
Responsible Official **Mailing Address** **Phone / Fax**	Mr. Jon Fabricius P.O. Box 1010 Fruitland, ID 83619 (208)452-5200 / (208)452-5365
Facility Consultants **Mailing Address** **Phone / Fax**	Ms. Claudia H. Gaeddert, P.E. 311 Eureka Drive, P.O.Box 2368 Hailey, ID 83333 (208)788-2022 / (208)788-7772

E. Compliance Schedule for Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number Completion Date	Compliance Activity Description
CA-178-01 **O&M Manual** **6 months after permit issue date**	Submit an updated Plan of Operation (Operation and Maintenance Manual or O&M Manual) for the wastewater land application facilities, incorporating the requirements of this permit, shall be submitted to DEQ for review and approval. The Plan of Operation shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements and shall include daily sampling and monitoring requirements to insure proper operation of the wastewater treatment facility. The Plan of Operation shall contain at a minimum all of the information required by the latest revision of the Plan of Operation Checklist in the WLAP Program Guidance. The Plan of Operation shall include an Odor Management Plan. The Odor Management Plan shall cover wastewater treatment systems, land application facilities, and other operations associated with the facility. The plan shall include specific design considerations, operation and maintenance procedures, and management practices to be employed to minimize the potential for or limit odors. The plan shall also include procedures to respond to an odor incident if one occurs, including notification procedures. Upon approval, the Plan of Operation shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.
CA-178-02 **Microbiological Study Plan** **9 months after permit issuance (Study Plan)** **12 months after permit issuance Implementation of Study Plan Results**	If wastewater-monitoring results show the presence of fecal bacteria, a study plan shall be submitted to DEQ for review and approval. The purpose of the study shall be to determine the source of fecal coliform found in the land-applied wastewater. The plan shall address removal of the source from the land application system or if the source is not removed, a proposal for modified buffer zone distances that are equivalent to municipal system buffer zones. If necessary, the plan shall be implemented as specified.
CA-178-03 **Runoff Management Plan** **12 months after permit issuance**	Submit to DEQ for review and approval a runoff management plan with control structures and other BMPs (e.g. collection basins, berms, etc.) designed to prevent runoff from any site or fields used for wastewater land application to property not owned by Dickinson Frozen Foods Inc. except in the event of a 25-year, 24-hour storm event or greater, using Western Regional Climate Center (WRCC) Precipitation Frequency Map, Figure 28 *Isopluvials of 25-YR, 24-HR Precipitation*. For this site, the 25-year, 24-hour event is 2.0 inches. Upon approval of the plan by DEQ, Dickinson Frozen Foods Inc. shall implement the runoff management plan, and shall construct, operate, and maintain the control structures and other BMPs in accordance with the plan.

E. Compliance Schedule for Required Activities

Compliance Activity Number Completion Date	Compliance Activity Description
CA-178-04 **Groundwater Network Evaluation Report** **6 months after permit issuance**	Submit to the Department for review and approval, a groundwater network evaluation report. The report shall include a ground water table contour map of the uppermost aquifer and proposed locations of ground water monitoring well(s) that will provide characterization of upgradient and downgradient ground water quality and conditions. The report shall also include standard operating procedures for ground water sampling and analysis.
CA-178- 05 **Install Upgradient Well** **12 months after permit issuance**	Complete installation of an upgradient ground water monitoring well. Plans and specifications shall be approved by DEQ prior to commencement of construction.
CA-178- 06 **Seepage Rate Test** **12 months after permit issuance**	Conduct seepage rate testing for the aerated lagoon in accordance with DEQ procedures or a method approved by DEQ. Submit seepage test data and results to DEQ for review and approval. The seepage rate for the pond shall not exceed 0.125 inches/day. If the lagoon does not meet the requirement, submit a plan and schedule within 90 days after obtaining test results for DEQ review and approval, to either repair, replace, or abandon the lagoon.

F. Permit Limits and Conditions

Category	Permit Limits and Conditions
Type of Wastewater	Onion processing wastewater
Application Site Area	Slow rate irrigation to 5.6 acres
Application Season	April 1 through October 31
Growing Season (GS)	April 1 through October 31
Non-growing Season (NGS)	November 1 through March 31
Reporting Year for Annual Loading Rates	November 1 through October 31
Supervision	Class I or higher certified wastewater treatment operator
Growing Season Hydraulic Loading Rate (Applies to wastewater and supplemental irrigation water).	Growing Season (GS) Hydraulic Loading Rate shall be substantially at the Irrigation Water Requirement (IWR) using data from the tables of the following University Of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml. IWR is equal to the Mean IR data from these tables divided by the irrigation system efficiency. In lieu of these tables, current climatic and evapotranspiration data, or long-term average data may be used to calculate the IWR, as defined in the 1994 Technical Interpretive Supplement, pages IV-6 and IV-7. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall substantially follow the IWR for the crop throughout the season.
Livestock Grazing	A grazing management plan shall be submitted to DEQ for review and approval prior to any grazing activities. Grazing Plans shall follow the guidance located on the DEQ Internet site. http://www.deq.state.id.us/water/wastewater/guidance_wlap.htm
Ground Water Quality	Ground water quality shall be in compliance with the Ground Water Quality Rule (GWQR), IDAPA 58.01.11.
Maximum COD Loading, seasonal average in Pounds/acre-day, each HMU	50 pounds / acre-day seasonal average for growing season.
Maximum Nitrogen Loading Rate, pounds/acre-year, each HMU (from all sources including waste solids and supplemental fertilizers)	100% of typical crop uptake (see definition for typical crop uptake) if the soil resident nitrogen level (nitrate + ammonium nitrogen) in the upper three feet of soil is 200 pounds per acre or greater prior to the growing season. 150% of typical crop uptake if the soil resident nitrogen level is 200 pounds per acre or less prior to the growing season.
Maximum Phosphorus Loading Rate, pounds/acre-year (from all sources including waste solids and supplemental fertilizers)	None. DEQ reserves the right to re-open this permit for inclusion of phosphorus limits.

F. Permit Limits and Conditions

<table>
<tr><th>Category</th><th>Permit Limits and Conditions</th></tr>
<tr><td>Construction Plans</td><td>Prior to construction or modification of all wastewater facilities associated with the land application system or expansion, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval.</td></tr>
<tr><td>Wellhead Protection</td><td>Buffer zones of 500 feet or more shall be maintained between land application areas and domestic water supplies (or 1,000 feet for public water supplies) unless a DEQ approved well location acceptability analysis indicates alternative buffer zone is acceptable (see Idaho WLAP Handbook for discussion on approved well location acceptability analysis)
Berms and other BMPs shall be used to protect the well head of on-site wells.</td></tr>
<tr><td>Industrial Wastewater Buffer Zones</td><td>All buffer zones must comply with, at a minimum, local zoning ordinances, in addition to distances specified below. These distances are subject to change dependent upon results from Compliance Activity CA-178-02 (Section E).
<table>
<tr><th>Distance to Surface Water</th><th>Distance to Public Access</th><th>Distance to Dwelling</th></tr>
<tr><td>50 feet</td><td>50 feet</td><td>300 feet</td></tr>
</table></td></tr>
<tr><td>Supplemental Irrigation Water Protection</td><td>For systems with wastewater and fresh irrigation water interconnections, DEQ-approved backflow prevention devices are required.</td></tr>
<tr><td>Odor Management</td><td>The wastewater treatment plant, land application facilities, and other operations associated with the facility shall not create a public health hazard or nuisance conditions including odors. These facilities shall be managed in accordance with a DEQ-approved Odor Management Plan.</td></tr>
<tr><td>Fencing and Posting</td><td>Signs shall be posted every 500 feet designating the fields as wastewater reuse areas or equivalent.</td></tr>
<tr><td>Allowable Crops</td><td>Crops grown for direct human consumption (those crops that are not processed prior to consumption) are not allowed.</td></tr>
</table>

G. Monitoring Requirements

The Permittee is allowed to apply wastewater and treat it on a land application site as prescribed in the table below and in accordance with all other applicable permit conditions and schedules.

1) Appropriate analytical methods, as given in the *Handbook for Land Application of Municipal and Industrial Wastewater, April 1996*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as DEQ), shall be employed. A description of approved sample collection methods, appropriate analytical methods and companion QA/QC protocol shall be included in the Operation and Maintenance Manual.

2) The permittee shall monitor and measure parameters as stated in the Facility Monitoring Table in this section.

3) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.

4) Unless otherwise agreed to in writing by the DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the Facility Monitoring Table on the following pages. Monitoring is required at the frequency show in the table below if wastewater is applied anytime during the time period shown.

5) Ten (10) soil sample locations shall be selected for each management unit with greater than fifteen acres and Five (5) soil sample locations shall be selected for each management unit with fifteen acres or less. Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at each depth shall be composited to yield three (3) samples for analysis from each soil monitoring unit.

6) Wastewater Sampling Procedure: Wastewater shall be sampled at the representative discharge points of the irrigation system. Wastewater composite samples shall consist of one aliquot every 6 hours over a 24-hour period. No aliquot shall to be collected during times when wastewater is not being applied.

7) Ground Water Monitoring Procedure: Ground Water Monitoring Wells shall be purged a minimum of three casing volumes and/or until field measurements for pH, specific conductance and temperature meet the following conditions: two successive temperature values measured at least five minutes apart are within one degree Celsius of each other, pH values for two successive measurements measured at least five minutes apart are within 0.2 units of each other, and two successive specific conductance values measured at least five minutes apart are within 10% of each other. This procedure will determine when the wells are suitable for sampling for constituents required by the permit. Other procedures, such as low flow sampling, may be considered by DEQ for approval. The static water level shall be measured prior to pumping or sampling for ground water.

8) Annual reporting of monitoring requirements is described in Section H, Standard Reporting Requirements.

9) Monitoring locations are defined in Appendix 1, “Environmental Monitoring Serial Numbers”.

G. Monitoring Requirements

Facility Monitoring Table

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Daily	Flow meter	Flow of wastewater into land application system	Volume (million gallons and acre-inches) to each hydraulic management unit (HMU), record monthly and annually
Monthly	Effluent to land application	Wastewater quality into land application system. See Note 6 above	Chemical oxygen demand, total Kjeldahl nitrogen, ammonia-nitrogen, nitrite + nitrate-nitrogen, total phosphorous, chloride, electrical conductivity, potassium, pH, total solids, total volatile solids
Monthly (for the 2004growing season only)	Effluent to land application	Wastewater quality into land application system grab sample	Total coliform, fecal coliform, fecal streptococcus
Daily	Lagoon, listed in Appendix 1	Wastewater in Lagoon	Dissolved oxygen (DO)
Daily	Flow meter or Calibrated Pump Rate	Supplemental Irrigation Water	Volume (million gallons and acre-inches) to each HMU, report monthly and annually
Twice per year (May and Sep) first year of use only	Supplemental irrigation water	Grab sample	Nitrate + nitrite nitrogen, total phosphorous, total dissolved solids, chloride, total Kjeldahl nitrogen
Twice per year until completion of CA-178-05 (March and September)	Ground Water monitoring well MW-1	See Note 7 above	Nitrate-nitrogen, total phosphorous, total dissolved solids, water table elevation, water table depth, total iron, total manganese, chloride, dissolved iron[1], dissolved manganese[1], pH, conductivity, and temperature
Quarterly after completion of CA-178-05 (March, June, September, and December)	All Ground Water monitoring wells	See Note 7 above	Nitrate-nitrogen, total phosphorous, total dissolved solids, water table elevation, water table depth, total iron, total manganese, chloride, dissolved iron[1], dissolved manganese[1], pH, conductivity, and temperature
Monthly	Each HMU	Calculate IWR for each crop type	Volume (million gallons and acre-inches) to each HMU, record monthly

G. Monitoring Requirements

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Annually (April and October)	Each soil monitoring unit	See note 5 above	Electrical conductivity, nitrate-nitrogen, ammonium nitrogen, plant available phosphorus, pH
Annually	Each HMU	Crop type and yield	Pounds/acre and total pounds per HMU (specify moisture basis)
	Each HMU	Plant tissue analysis: Composite sample of harvested portion	Nitrate-nitrogen, total kjeldahl nitrogen, total phosphorus, ash, moisture content
	Each HMU	Calculate crop nitrogen, phosphorous, and ash removal	Pounds/acre and total pounds per HMU (dry basis)
	Each HMU	Calculate GS wastewater loading rate	Million gallons & Inches/GS
	Each HMU	Calculate seasonal average COD loading rate	Pounds/acre-day
	Each HMU	Calculate wastewater nitrogen loading rate	Pounds/acre-year
	Each HMU	Calculate wastewater phosphorous loading rate	Pounds/acre-year
	Each HMU	Calculate non-volatile solids (NVS) from wastewater application	NVS applied in pounds/acre-year
Every two years, starting with first year of permit	All flow measurement locations	Flow measurement calibration of all flows to land application.	Document the flow measurement calibration of all flow meters and pumps used directly or indirectly measure all water flows applied to each HMU
March 2005 and March 2009	Ground Water monitoring wells, listed in appendix 1	See Note 7 above	Sulfate, sodium, potassium, calcium, magnesium, carbonate/bicarbonate

G. Monitoring Requirements

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
March 2005 and March 2009	Domestic and municipal wells within ¼ mile of all land application acreage. Note: Domestic and public wells within ¼ mile require identification and serial number assignment. Provide this information in the 2005 annual report.	Grab sample from domestic and municipal wells (with well owner's permission. See note 7 above)	Sulfate, sodium, potassium, calcium, magnesium, carbonate/bicarbonate
Annually March	Domestic and municipal wells within ¼ mile of all land application acreage	Grab sample from domestic and municipal wells (with well owner's permission. See note 7 above).	Specific conductivity, total dissolved solids (TDS), nitrite + nitrate nitrogen, total phosphorus, chloride, total iron, total manganese, dissolved iron[1], dissolved manganese[1]

1. Analytical results are required for dissolved iron and/or manganese only if the results for total iron and/or manganese exceed the standards in IDAPA 58.01.11.200.01.b.

H. Standard Reporting Requirements

1.) The Permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year, which shall cover the previous reporting year. The Annual Report shall include an interpretive discussion of monitoring data (ground water, soils, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2.) The annual report shall contain the results of the required monitoring as described in *Section G. Monitoring Requirements*. If the permittee monitors any parameter more frequently than required by this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the annual report.

3.) The annual report shall be submitted to the Engineering Manager in the applicable Regional DEQ Office.

Boise Regional Office
1445 N. Orchard
Boise, ID 83706-2239
208-373-0550

Coeur d'Alene Regional Office
2110 Ironwood Parkway
Coeur d'Alene, ID 83814
208-769-1422

Idaho Falls Regional Office
900 N. Skyline, Suite B
Idaho Falls, ID 83402
208-528-2650

Lewiston Regional Office
1118 "F" Street
Lewiston, ID 83501
208-799-4370

Pocatello Regional Office
444 Hospital Way, #300
Pocatello, ID 83201
208-236-6160

Twin Falls Regional Office
601 Pole Line Road, Suite 2
Twin Falls, ID 83301
208-736-2190

A copy of the annual report shall also be mailed to:

Richard Huddleston, P.E.
Wastewater Program Manager
1410 N. Hilton
Boise, ID 83706
208-373-0561

4.) Notice of completion of any work described in *Section E. Compliance Schedule for Required Activities* shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section E shall be submitted with the Annual Report.

5.) All laboratory reports containing the sample results for monitoring required by *Section G. Monitoring Requirements* of this permit shall be submitted with the Annual Report.

I. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operation, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site unless permission has been obtained from the DEQ authorizing a discharge into the waters of the State as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions the permittee shall:

   a. Apply wastewater as evenly as practicable to the treatment area;
   b. Prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
   c. Prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. The permittee shall:

   a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested or grazed to utilize the nutrients and minerals in the wastewater, and,
   b. Not hydraulically overload any particular areas of the wastewater land application treatment site.

5. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the DEQ approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

6. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations and include seepage tests on all lagoons per latest DEQ procedures.

7. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee (hereinafter referred to as Director), consistent with Title 39, Chapter 1, Idaho Code, to:

   a. Enter the permitted facility,
   b. Inspect any records that must be kept under the conditions of the permit.
   c. Inspect any facility, equipment, practice, or operation permitted or required by the permit.
   d. Sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

8. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

   a. In writing thirty (30) days before any planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.
   b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.
   c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance which may endanger the public health or the environment at telephone numbers provided in the permit by the Director (see below)

DEQ Regional Office: see Permit Certificate Page
Emergency 24-Hour Number: 1-800-632-8000

d. In writing as soon as possible but within five (5) days of the date the permittee knows or should know of any non-compliance unless extended by the DEQ. This report shall contain:

   i. A description of the non-compliance and its cause;
   ii. The period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
   iii. Steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

9. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit noncompliance.

10. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also address these control operations in an update to the Operations and Maintenance Manual.

J. Standard Permit Conditions: Modifications, Violation, and Revocation

1. The permittee shall furnish to the Director within reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02 with respect to any conditions stated in this permit upon review and approval of the DEQ.

3. Whenever a facility expansion, production increase or process modification is anticipated which will result in a change in the character of pollutants to be discharged or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the DEQ that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for either major or minor modifications must be submitted together with the reports as described in Section I. *Standard Reporting Requirements*, and plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the DEQ and a new permit or permit modification has been issued.

4. Permits shall be transferable to a new owner or operator provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Wastewater Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within thirty-five (35) days of receipt of the notice by the permittee, unless within that time the permittee request an administrative hearing in writing to the Board of Environmental Quality pursuant to the Rules of Administrative Procedures contained in IDAPA 58.01.23.

8. If, pursuant to Idaho Code 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing, a revocation hearing before the Board of Environmental Quality shall be provided. Such hearings shall be conducted in accordance with the Rules of Administrative Procedures contained in IDAPA 58.01.23.

9. The provisions of this permit are severable and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

10. The permittee shall notify the DEQ at least six (6) months prior to permanently removing any permitted land application facility from service, including any treatment, storage, or other facilities or equipment associated with the land application site. Prior to commencing closure activities, the permittee shall: a) participate in a pre-site closure meeting with the DEQ; b) develop a site closure plan that identifies specific closure, site characterization, or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the DEQ for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the DEQ approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres
MU-017801	Field A	5.6

WASTEWATER SAMPLING POINTS

Serial Number	Description
SW-017801	Diversion point for supplemental irrigation water
WW-017801	Discharge point of wastewater at hand lines

SOIL MONITORING UNITS

Serial Number	Description	Associated MU
SU-017801	Field A	MU-017801

GROUND WATER MONITORING

Serial Number	Description (private, irrigation, dedicated monitoring)	Location
GW-017801	MW-1 (monitoring well)	Field B
GW-017802	future	Upgradient
GW-0178xx		
GW-0178xx		
GW-0178xx		

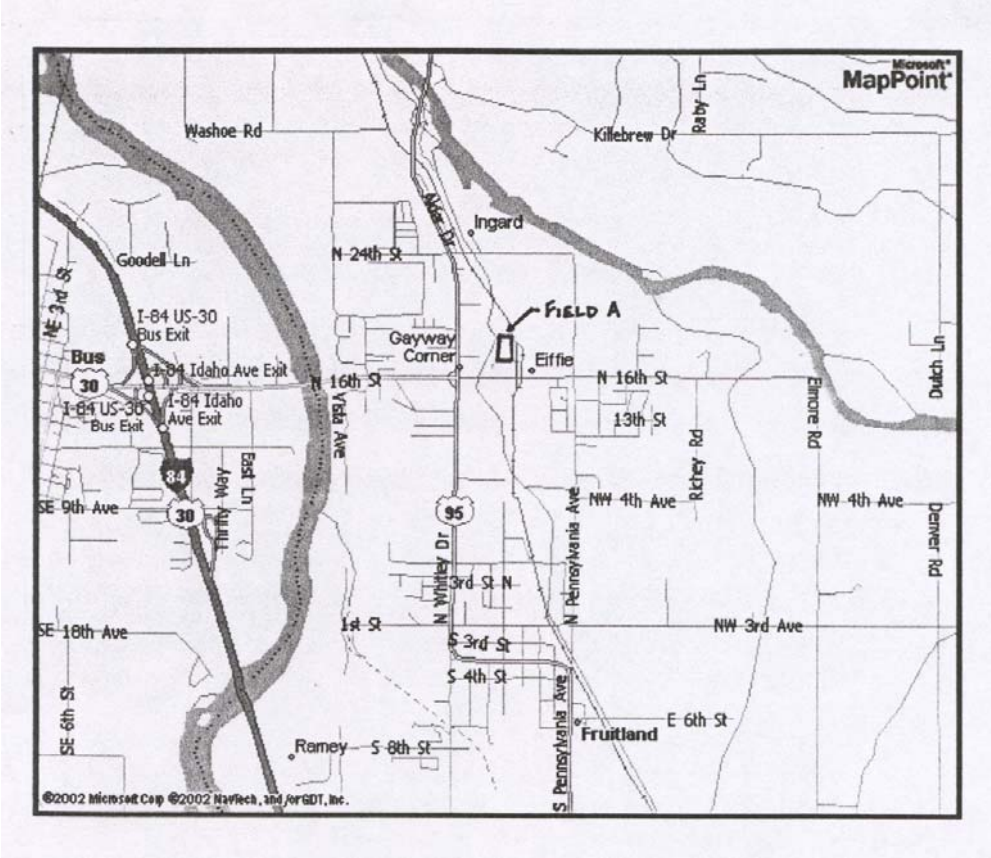
Note: 1. Future monitoring wells will be assigned serial numbers when installed
2. Domestic and public wells within ¼ mile require identification and serial number assignment. Provide this information in the 2005 annual report.

LAGOONS

Serial Number	Description
LG-017801	Aerated 3 MG Basin

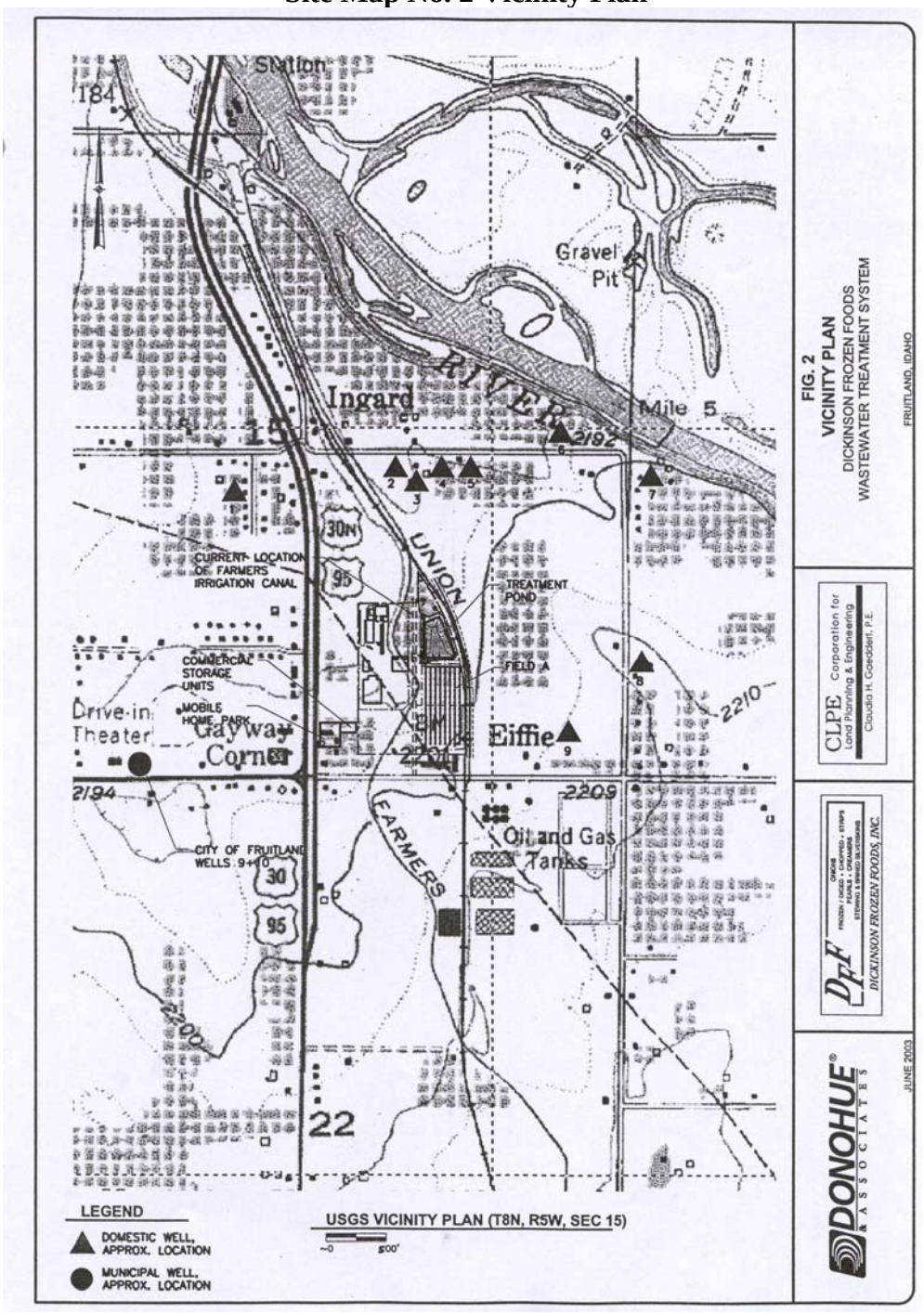
Appendix 2
Site Maps

Site Map No. 1 General Location



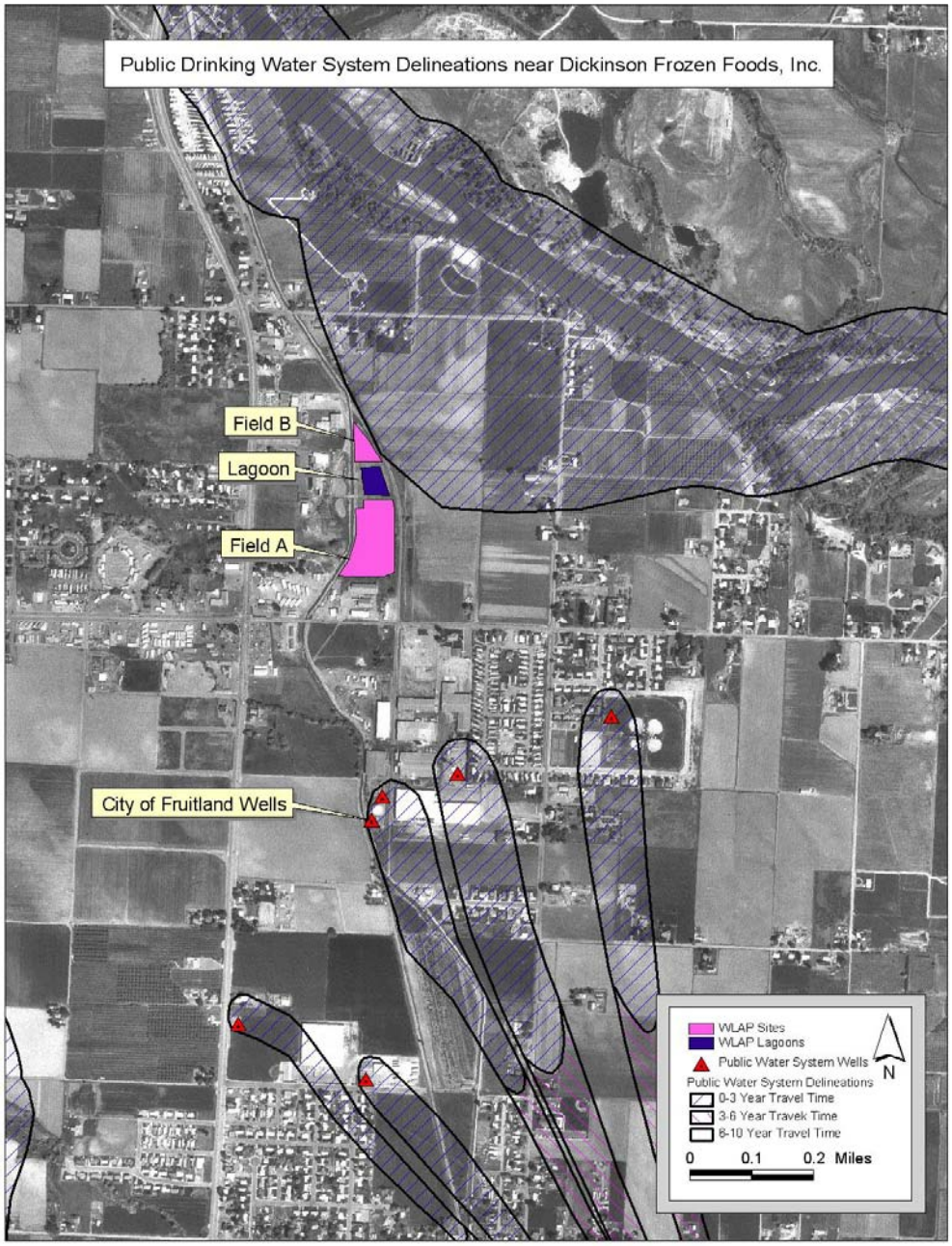
Appendix 2
Site Maps

Site Map No. 2 Vicinity Plan



Appendix 2
Site Maps

Site Map No. 3 Drinking water supply sources



Appendix 2
Site Maps

Site Map No. 4 Wastewater Land Application Plan